

## Mounted Warrior

Mounted Warrior (MW) is an integrated Soldier System designed for Armor Vehicle crewmen. An integrated system of systems, MW combines cordless communications and personal displays with Soldier mission equipment, and outfits all crew members (including vehicle commanders, drivers, and gunners) who operate ground platforms. The system leverages capabilities developed in other Warrior programs such as Land Warrior (LW) and Air Warrior (AW).

MW-equipped crew members can communicate wirelessly with dismounted LW-equipped Soldiers. The system interfaces with other Army communications and command and control systems. MW includes lightweight, integrated, modular, mission-tailorable equipment and communications, command and control, and computer (C4) devices worn, carried, or used by crewmen when conducting tactical operations with their assigned combat vehicles.

### Performance Characteristics

- Integrated headgear with helmet-mounted display to provide remote viewing of platform-based displays and optical sensors such as thermal sights
- Cordless communications
- Enhancements to protective clothing and individual equipment



#### Helmet Subsystem:

- Advanced Combat Helmet (ACH) or Combat Vehicle Crewman (CVC) Helmet
- Improved Audio Headset/Microphone
- Helmet Mounted Display



#### Communications Subsystems:

- Voice/Data Tactical Network Connectivity Through the Platform/Vehicle
- Cordless Communications (Voice/Data) Transceiver\*
- Weapon Display



- Driver's Vision Enhancer (DVE)
- Common Operating Picture



#### Vehicle Interface Subsystems:

- Current and Future Force Vehicles\*
- Microclimate Cooling vehicle kit\*

#### Protective Clothing/Individual Equipment Subsystem:

- Small Arms Holster
- Nomex Overalls

- Nomex Gloves (RFI)
- Jacket and Undergarments
- Anti-Flash Hood
- Microclimate Cooling Garment\*
- Fire Retardant Undergarments
- Gortex/Nomex blend outer garments
- Eye Protection (RFI)
- Thigh/Shoulder Holster



#### Improved Mission Effectiveness:

- Microclimate Cooling\*



#### Improved Survivability:

- Body Armor
- Chem-Bio Protection



\*Future Spiral

#### Additional MW Ensemble Items

- Flame Retardant Undergarments
- Reinforced One-Piece Flame Retardant Coverall
- Flame Retardant Gortex Jacket/Pants



# Infantry Soldiers Go High-Tech

***History in the Making as the Army Digitizes the Battlefield to Save Lives, Increase Soldier Capabilities***



For the first time in military history, American Soldiers are being equipped with digital tools that will go a long way toward eliminating the “fog of war.” The Army has made great strides equipping vehicles and command posts with state-of-the-art digital capabilities. Land Warrior will extend these advantages to Infantry Soldiers in close combat.

Confusion in close combat situations—over location, enemy identification, and the latest orders—is among the challenges the Army’s new Land Warrior and Mounted Warrior fighting systems address. The systems’ proficiency in enhancing situational awareness, and in increasing survivability and lethality, is being assessed at Fort Lewis, Washington.

Program Executive Office (PEO) Soldier and the U.S. Army Infantry Center are conducting a comprehensive assessment of Land Warrior and Mounted Warrior across the areas of Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF). The 4th Battalion, 9th Infantry Regiment, 4th Stryker Brigade Combat Team, 2nd Infantry Division at Fort Lewis has been equipped with 440 Land Warrior Systems and 147 Mounted Warrior Systems. Land Warrior combines computers, lasers, navigation modules, radios, and other technologically advanced equipment to improve Soldiers’ battlefield communications ability, situational awareness, and, ultimately, their ability to fight effectively and survive. Mounted Warrior, designed for combat vehicle crewmen, includes communications and displays that will improve situational awareness on or off the vehicle.

Land and Mounted Warriors will be able to receive voice data and tactical Internet connectivity in order to communicate effectively with troops on the ground, Mounted Warriors in other vehicles, and unit leaders. For the first time ever, large-scale map displays will show the Soldier his location, the location of his buddies, vehicle locations, known enemy positions, and up-to-the minute mission plans and orders. Weapon systems equipped with multifunctional laser sights, day and night vision feeds, and direct connectivity to the Land Warrior and Mounted Warrior networks increase the Soldiers’ combat effectiveness while minimizing exposure to the enemy. Precise navigation and real-time, common situational awareness substantially reduce the risk of fratricide or surprise enemy attacks.

During May and June, more than 400 Soldiers at Fort Lewis completed combat training on the systems in preparation for the assessment, which continued through the summer and ended with a limited user test in September. Assessment results will be used by Army leaders to determine tactics, techniques, procedures, and the future direction of the Land Warrior and Mounted Warrior programs.

*For more information or to arrange a visit to the Assessment Headquarters at Ft. Lewis, Washington, please contact Debi Dawson at 703-704-2802.*